

## AMENDMENTS TO THE SPECIFICATION

Replace the title on page 1 of the specification with the following replacement title, which is set forth below with markings showing the changes made relative to the immediate prior version:

### ~~Apparatus and Method for Intraoperative Neural Monitoring~~

Delete paragraphs (0015), (0016), (0017), (0018), (0019), (0020), (0021), (0022), (0023), (0024), (0025), (0026), (0027), (0028) and (0029).

Replace paragraph (0030) with the following replacement paragraph, which is set forth below with markings showing the changes made relative to the immediate prior version:

(0030) ~~These and other objects, advantages and benefits are realized with the~~ The present invention as is generally characterized in an intraoperative neural monitoring system comprising a power source and a stimulator powered by the power source to deliver a complete cycle of biphasic electrical stimulation to a patient via stimulating electrodes connected to the stimulator and applied to the patient. The complete cycle of biphasic electrical stimulation is delivered from the stimulator as a first group of a selected number of positive phase or negative phase pulses automatically followed by a second group of a selected number of pulses of reverse phase or polarity to the pulses of the first group. The first group of pulses is delivered to a first stimulating electrode for return via a second stimulating electrode in the positive phase and is delivered to the second stimulating electrode for return via the first stimulating electrode in the negative phase. The intraoperative neural monitoring system includes an activator actuatable by a user to perform an activation to initiate delivery of the first group of pulses, and the activation effects delivery of the entire cycle of biphasic electrical stimulation. The stimulator may alternatively be activated to deliver a complete cycle of monophasic electrical stimulation comprising a selected

number of pulses that are all positive phase or all negative phase.

Replace paragraph (0035) with the following replacement paragraph, which is set forth below with markings showing the changes made relative to the immediate prior version:

(0035) ~~These and other~~ Various objects and advantages of the present invention will become apparent from the following description of a preferred embodiment taken in conjunction with the accompanying drawings, wherein like parts in each of the several figures are identified by the same reference characters.